



26645

PATENT TRADEMARK OFFICE

Gp 117645
01/25/02
PATENT
Ref

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF

CARL F. STACHEW ET AL.

SERIAL NO.: 09/659,132

FILED: SEPTEMBER 11, 2000

TITLE: MODIFIED POLYISOBUTYLENE SUCCINIMIDE DISPERSANTS HAVING
IMPROVED SEAL, SLUDGE, AND DEPOSIT PERFORMANCE

DOCKET No.: 2964R

EXAMINER: J. JOHNSON

GROUP ART UNIT: 1764

RECEIVED
OCT 24 2002
TC 1100

Wickliffe, Ohio
Dated: October 14, 2002

Hon. Assistant Commissioner for Patents
Washington, DC 20231

Sir:

AMENDMENT

Please enter the following amendments:

In the claims:

Amend claims 1 and 28 to read as shown:

1. (three times amended) A composition suitable for reducing engine sludge and degradation of elastomer seals comprising
a major amount of an oil of lubricating viscosity and
a minor amount of a nitrogen-containing dispersant wherein the nitrogen containing dispersant is a reaction product of
(I) a hydrocarbyl-substituted succinic acylating agent, wherein more than about 10 to about 20 mole percent of the individual molecules thereof have a hydrocarbyl substituent with a molecular weight of less than 500; wherein the hydrocarbyl

I certify that this correspondence is being deposited with the United States Postal Service as first class express mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231 [Exp Mail # _____]

on October 15, 2002

By: Sheila E. Kelly